

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD0404	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 0404 Boggs	M	4.12				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.04		0.04	0.97%		
Trim / Thin Trees	0.08		0.08	1.94%		
Encroachments	0.06		0.06	1.46%	0.05	
Animal Control	0.34		0.34	8.25%		
Slope Stability	0.02		0.02	0.49%		
Erosion / Bank Caving	0.03		0.03	0.73%		
<i>Supplemental</i>						
DWR Erosion Survey		0.04	0.16	3.88%		
<i>LMA Totals:</i>	0.57	0.04	0.73	17.72%	0.05	0.00

Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles				
RD0404	M	2.36				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.04		0.04	1.70%		
Trim / Thin Trees	0.03		0.03	1.27%		
Encroachments	0.01		0.01	0.42%		
Animal Control	0.10		0.10	4.24%		
Slope Stability	0.02		0.02	0.85%		
Erosion / Bank Caving	0.02		0.02	0.85%		
<i>Supplemental</i>						
DWR Erosion Survey		0.04	0.16	6.78%		
<i>Unit Totals:</i>	0.22	0.04	0.38	16.10%	0.00	0.00

Unit No. 02 French Camp Slough RB	Overall Unit Rating	Total Unit Miles				
RD0404	M	1.76				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Trim / Thin Trees	0.05		0.05	2.84%		
Encroachments	0.05		0.05	2.84%	0.05	
Animal Control	0.24		0.24	13.64%		
Erosion / Bank Caving	0.01		0.01	0.57%		
<i>Unit Totals:</i>	0.35	0.00	0.35	19.89%	0.05	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2011 Levee Inspection Results

Reclamation District No. 0404 Boggs

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	2.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	4/14/2011 - 4/14/2011		10/25/2011 - 10/25/2011	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Tom Rosten RD 404		Bob Winter KSN	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/25/2011 10/25/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.03	0.48	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.941695 ° -121.344917 °	37.939652 ° -121.338373 °	5 Y
2	0.03	0.20	Earthen Levee	Vegetation	WS	W	Remove the wild growth other than native grasses from the levee slopes.	37.941697 ° -121.344917 °	37.939853 ° -121.343210 °	8 Y
3	0.21	0.25	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 08/23/2011: Pockets erosions observed by last survey seem have progressed during the last food season. Continuous monitoring of this site suggested 9/07/2010: No significant change observed on site. There is emergent vegetation at the water line. Several pocket erosions lined along the lower slope that stretches from RM 40.86 to RM 41.14. 9/30/2009: No major change observed; the site was combined with other existing sites are RM's 40.93, 40.98, and 41.14 as one site; several pocket erosion just above non-uniform toe rip rap; previously rated "U"; bare spots along the upper slope. 2008: Possibly caused by wave wash erosion; several pocket erosion along the lower slope; site is inside of a bend. 2006: Visited site 09/12/06. [2011 Site ID: RD0404U01RM40.86]	37.939480 ° -121.342730 °	37.939480 ° -121.342730 °	1 Y
4	0.24	0.27	Earthen Levee	Erosion / Bank Caving	WS	W	Note and monitor erosion site.	37.939430 ° -121.342620 °	37.939430 ° -121.342620 °	6 Y
5	0.30	0.30	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	37.939420 ° -121.341643 °	37.939420 ° -121.341643 °	105 Y
6	0.45	0.45	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove bamboo on waterside toe.	37.939627 ° -121.338808 °	37.939627 ° -121.338808 °	104 Y
7	0.61	0.61	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site. Inspector Comments: Erosion cause by runoff.	37.939133 ° -121.336100 °	37.939133 ° -121.336100 °	103 Y
8	0.75	0.75	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	37.937758 ° -121.334149 °	37.937758 ° -121.334149 °	7 Y
9	0.96	0.96	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	37.935990 ° -121.331600 °	37.935990 ° -121.331600 °	2
10	1.08	1.08	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.935358 ° -121.329645 °	37.935358 ° -121.329645 °	102
11	1.20	1.20	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.934058 ° -121.328188 °	37.934058 ° -121.328188 °	101
12	1.36	1.36	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.931945 ° -121.327150 °	37.931945 ° -121.327150 °	100
13	1.57	1.67	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.928723 ° -121.327207 °	37.927945 ° -121.325933 °	9

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River						Right	2.36	10/25/2011 10/25/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
14	1.63	1.63	Earthen Levee	Slope Stability	WS	M	Repair slope instability.	37.928208 ° -121.326608 °	37.928208 ° -121.326608 °	12 Y
15	1.64	1.65	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.928118 ° -121.326338 °	37.927970 ° -121.326007 °	11 Y
16	1.98	1.98	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.924055 ° -121.323195 °	37.924055 ° -121.323195 °	99
17	1.99	1.99	Earthen Levee	Encroachments	WS	M	Tree or limb Inspector Comments: Downed trees on waterside slope.	37.923817 ° -121.323130 °	37.923817 ° -121.323130 °	98 Y
18	2.33	2.33	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Remove dead tree on waterside toe.	37.920585 ° -121.318850 °	37.920585 ° -121.318850 °	97 Y

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/25/2011 10/25/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.03
End Levee Mile	0.48
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking north at modest vegetation on landside and waterside slopes.

richard_f_20111014_023.jpg



Levee Mile Report Line	2
Start Levee Mile	0.03
End Levee Mile	0.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking south modest vegetation on waterside slope.

richard_f_20111014_027.jpg



Levee Mile Report Line	3
Start Levee Mile	0.21
End Levee Mile	0.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of Site. Progressing pocket erosion visible.

SJR2011_RD0404U01RM40.86_1.jpg



*** Location**

LS : Land Side
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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/25/2011 10/25/2011	Richard Willoughby

Levee Mile Report Line	3
Start Levee Mile	0.21
End Levee Mile	0.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site

SJR2011_RD0404U01RM40.86_2.jpg



Levee Mile Report Line	3
Start Levee Mile	0.21
End Levee Mile	0.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site

SJR2011_RD0404U01RM40.86_3.jpg



Levee Mile Report Line	3
Start Levee Mile	0.21
End Levee Mile	0.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of the site

SJR2011_RD0404U01RM40.86_4.jpg



*** Location**

LS : Land Side
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/25/2011 10/25/2011	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.24
End Levee Mile	0.27
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Erosion from LM 0.24 to 0.27

richard_f_20111014_024.jpg



Levee Mile Report Line	4
Start Levee Mile	0.24
End Levee Mile	0.27
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Erosion at LM 0.27

richard_f_20111014_025.jpg



Levee Mile Report Line	5
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking northwest at toe erosion on waterside.

richard_f_20111027_359.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/25/2011 10/25/2011	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.45
End Levee Mile	0.45
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking northwest at bamboo on waterside toe.

richard_f_20111027_358.jpg



Levee Mile Report Line	7
Start Levee Mile	0.61
End Levee Mile	0.61
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking south at erosion on waterside slope.

richard_f_20111027_356.jpg



Levee Mile Report Line	7
Start Levee Mile	0.61
End Levee Mile	0.61
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking west at erosion on waterside slope.

richard_f_20111027_357.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/25/2011 10/25/2011	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking southeast at elderberry on landside slope.

richard_f_20111014_026.jpg



Levee Mile Report Line	14
Start Levee Mile	1.63
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking southwest at minor slope sliding on waterside slope.

richard_f_20111014_031.jpg



Levee Mile Report Line	14
Start Levee Mile	1.63
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking southeast at minor slope sliding on waterside slope.

richard_f_20111014_032.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/25/2011 10/25/2011	Richard Willoughby

Levee Mile Report Line	15
Start Levee Mile	1.64
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking northeast at minor slope damage on landside slope cause by vehicule traffic.

richard_f_20111014_028.jpg



Levee Mile Report Line	15
Start Levee Mile	1.64
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking northeast at slope damage on landside slope cause by vehicle traffic.

richard_f_20111014_029.jpg



Levee Mile Report Line	15
Start Levee Mile	1.64
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking east at slope damage on landside slope.

richard_f_20111014_030.jpg



*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	10/25/2011 10/25/2011	Richard Willoughby

Levee Mile Report Line	17
Start Levee Mile	1.99
End Levee Mile	1.99
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at downed tree on waterside slope.

richard_f_20111027_355.jpg



Levee Mile Report Line	18
Start Levee Mile	2.33
End Levee Mile	2.33
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northeast at dead tree on waterside toe.

richard_f_20111027_354.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 02 French Camp Slough			Right	1.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	4/14/2011 - 4/14/2011		10/25/2011 - 10/25/2011	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Tom Rosten RD 404		Bob Winter KSN	

Check one:

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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough					Right	1.76	10/25/2011 10/25/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.01	0.05	Earthen Levee	Encroachments	LS	C	Material Inspector Comments: Concrete rubble left on landside shoulder from waterside erosion repair.	37.920222 ° -121.318138 °	37.919888 ° -121.317558 °	2
2	0.11	0.11	Earthen Levee	Erosion / Bank Caving	WS	M	Schedule repair of erosion site prior to the next inspection.	37.919207 ° -121.316852 °	37.919207 ° -121.316852 °	75 Y
3	0.12	0.15	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Remove three dead trees on waterside slope and toe.	37.919090 ° -121.316733 °	37.918753 ° -121.316440 °	74 Y
4	0.19	0.35	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.919543 ° -121.311432 °	37.918935 ° -121.313335 °	3
5	0.23	0.23	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.918217 ° -121.315232 °	37.918217 ° -121.315232 °	73
6	0.29	0.32	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Remove several dead trees on waterside slope and toe.	37.918447 ° -121.314213 °	37.918693 ° -121.313780 °	72 Y
7	0.36	0.36	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Remove dead tree on waterside slope	37.919025 ° -121.313245 °	37.919025 ° -121.313245 °	71 Y
8	0.41	0.44	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Remove dead trees on waterside slope.	37.919425 ° -121.312400 °	37.919508 ° -121.311965 °	70
9	0.48	0.48	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.919525 ° -121.311193 °	37.919525 ° -121.311193 °	8
10	0.48	0.48	Earthen Levee	Encroachments	WS	M	Tree or limb Inspector Comments: Downed tree limb on waterside shoulder.	37.919588 ° -121.311193 °	37.919588 ° -121.311193 °	69 Y
11	0.74	0.74	Earthen Levee	Encroachments	LS	M	Tree or limb	37.919178 ° -121.306468 °	37.919178 ° -121.306468 °	58
12	0.74	0.74	Earthen Levee	Encroachments	LS	M	Tree or limb Inspector Comments: Downed tree limb on landside slope.	37.919205 ° -121.306495 °	37.919205 ° -121.306495 °	5 Y
13	0.80	0.80	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	37.918695 ° -121.305935 °	37.918695 ° -121.305935 °	57
14	0.82	0.91	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.918320 ° -121.305740 °	37.917162 ° -121.305285 °	4
15	0.89	0.89	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Remove dead tree on waterside shoulder and slope.	37.917280 ° -121.305365 °	37.917280 ° -121.305365 °	68 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough					Right	1.76	10/25/2011 10/25/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	1.13	1.13	Earthen Levee	Encroachments	WS	M	Equipment Inspector Comments: Abandoned pump stand in channel and 3-4" steel pipe below flood elevation should be removed.	37.916340 ° -121.301898 °	37.916340 ° -121.301898 °	66 Y
17	1.13	1.18	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.916347 ° -121.301887 °	37.916497 ° -121.301095 °	11
18	1.13	1.13	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Dense vegetation around pump house inside fenced area.	37.916337 ° -121.301888 °	37.916337 ° -121.301888 °	67 Y
19	1.18	1.18	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees over roadway to at least 12 feet above ground level.	37.916472 ° -121.301188 °	37.916472 ° -121.301188 °	65
20	1.19	1.19	Earthen Levee	Encroachments	LS	C	Tree or limb	37.916523 ° -121.300988 °	37.916523 ° -121.300988 °	7
21	1.23	1.23	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Dead tree on waterside slope.	37.917035 ° -121.300418 °	37.917035 ° -121.300418 °	63 Y
22	1.23	1.23	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several rodent holes on waterside shoulder and slope.	37.917042 ° -121.300400 °	37.917042 ° -121.300400 °	64
23	1.32	1.58	Supplemental	DWR Erosion Survey	WS	C	Inspector Comments: 09/02/2011: Site has been repaired with added soil and crashed rock. No new erosion activities found on site. 11/30/2010: Site was not inspected this year due to time constraints. There has been no reports from the district that the site was corrected. Continue to monitor during flood events. 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO.2009: Erosion appears to be maintenance-related, and not caused by riverflow; recommend annual assessment and monitoring of erosion site, per Critical Erosion Sites Evaluation 2008 Report; previously rated "U". 9/12/2006: Headward erosion along the levee bank; erosion has created "notches" estimated to be about 12 feet in height; erosion appears to be maintenance related; DWR Inspector for the area says the erosion has been present for years. [2011 Site ID:RD0404U02RM1.56]	37.918440 ° -121.297040 °	37.918440 ° -121.297040 °	1
24	1.44	1.44	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Dead tree on waterside slope should be removed.	37.918433 ° -121.297213 °	37.918433 ° -121.297213 °	62 Y
25	1.47	1.52	Earthen Levee	Encroachments	LS	PO	Fences	37.918440 ° -121.296707 °	37.918517 ° -121.295763 °	6 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough						Right	1.76	10/25/2011 10/25/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
26	1.51	1.51	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.918535 ° -121.295980 °	37.918535 ° -121.295980 °	61
27	1.55	1.55	Earthen Levee	Encroachments	WS	M	Equipment Inspector Comments: Abandoned pump stand in channel should be removed and 3" galvanized pipe on waterside slope.	37.918397 ° -121.295110 °	37.918397 ° -121.295110 °	60 Y
28	1.76	1.76	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.917302 ° -121.291778 °	37.917302 ° -121.291778 °	59

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/25/2011 10/25/2011	Richard Willoughby

Levee Mile Report Line	2
Start Levee Mile	0.11
End Levee Mile	0.11
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking west at waterside slope erosion.

richard_f_20111027_353.jpg



Levee Mile Report Line	3
Start Levee Mile	0.12
End Levee Mile	0.15
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northwest at dead trees on waterside slope.

richard_f_20111027_351.jpg



Levee Mile Report Line	3
Start Levee Mile	0.12
End Levee Mile	0.15
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking southwest at dead trees on waterside slope.

richard_f_20111027_352.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/25/2011 10/25/2011	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.29
End Levee Mile	0.32
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at dead tree on waterside slope.

richard_f_20111027_350.jpg



Levee Mile Report Line	7
Start Levee Mile	0.36
End Levee Mile	0.36
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northwest at dead tree on waterside slope.

richard_f_20111027_349.jpg



Levee Mile Report Line	10
Start Levee Mile	0.48
End Levee Mile	0.48
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southeast at downed tree limb on waterside slope.

richard_f_20111027_348.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/25/2011 10/25/2011	Richard Willoughby

Levee Mile Report Line	12
Start Levee Mile	0.74
End Levee Mile	0.74
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at downed tree limbs on landside slope.

richard_f_20111027_347.jpg



Levee Mile Report Line	15
Start Levee Mile	0.89
End Levee Mile	0.89
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northwest at dead tree on waterside slope.

richard_f_20111027_346.jpg



Levee Mile Report Line	16
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at wooden pump stand in channel.

richard_f_20111027_342.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/25/2011 10/25/2011	Richard Willoughby

Levee Mile Report Line	16
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking south at 4-6" pipe on waterside slope.

richard_f_20111027_343.jpg



Levee Mile Report Line	18
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northeast at dense vegetation inside fenced area near pump station on landside toe.

richard_f_20111027_344.jpg



Levee Mile Report Line	18
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at dense vegetation near pump station on landside toe.

richard_f_20111027_345.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/25/2011 10/25/2011	Richard Willoughby

Levee Mile Report Line	21
Start Levee Mile	1.23
End Levee Mile	1.23
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking southwest at several dead trees on waterside slope.

richard_f_20111027_341.jpg



Levee Mile Report Line	24
Start Levee Mile	1.44
End Levee Mile	1.44
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at dead tree on waterside slope.

richard_f_20111027_340.jpg



Levee Mile Report Line	25
Start Levee Mile	1.47
End Levee Mile	1.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fence at landside shoulder from LM 1.47 to 1.52

richard_f_20111014_193.jpg



*** Location**

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WS : Water Side
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	10/25/2011 10/25/2011	Richard Willoughby

Levee Mile Report Line	27
Start Levee Mile	1.55
End Levee Mile	1.55
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking south at 3" pipe on waterside slope.

richard_f_20111027_338.jpg



Levee Mile Report Line	27
Start Levee Mile	1.55
End Levee Mile	1.55
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at wooden pump stand in channel.

richard_f_20111027_339.jpg



*** Location**

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CR : Crown

**** Rating**

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